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REISSUE APPLICATION DECLARATION BY THE INVENTOR

Docket Number (Optional)

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 6,054,198, granted April 25, 2000, and for which a reissue patent is sought on the invention entitled Conformal Thermal Interface Material For Electronic Components

the specification of which

☒ is attached hereto.

☐ was filed on _____ as reissue application number _____ / _____
and was amended on _____
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described below. If the reissue is a broadening reissue, such must be stated with an explanation as to the nature of the broadening:

1. As issued, independent claims 1 and 9 of U.S. Patent No. 6,054,198 ("the '198 patent") recite a phase change material (PCB) which is formulated as a blend of at least one resin or wax component and at least one thermally-conductive filler.
2. It is possible, however, that those claims might be construed, depending upon the prevailing rules of claim construction then in effect, as excluding formulations based on mixtures of one or more resins and one or more waxes.
3. In fact, the specification as filed of the '198 patent describes at col. 8, ll. 16-65 a representative embodiment which is based on a mixture of a resin, namely a PSA component, and a wax, namely an α -olefinic thermoplastic component such as Vybar® 260;
4. Although not termed a "wax" in the specification, α -olefinic thermoplastics such as Vybar® 260 are generally considered to be waxes and are referred to as such in the following issued U.S. Patent Nos. (copies of which are annexed hereto): 4,217,320 [See col. 2, ll. 59-68]; 4,515,740 [See col. 7, ll. 58-63]; 5,994,020 [See col. 13, ll. 47-63]; and 6,080,800 [See col. 7, ll. 29].
5. The accompanying preliminary amendment therefore amends claims 1 and 9 to expressly include PCB formulations which are mixtures of resins and waxes.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.5 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)

Docket Number (Optional)

All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith.

Name(s)

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36,611

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.

Full name of sole or first inventor (given name, family name)

MICHAEL H. BUNYAN

Inventor's signature



Date

11/15/00

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Citizenship

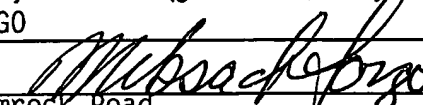
US

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Full name of second joint inventor (given name, family name)

MIKSA de SORGO

Inventor's signature



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Full name of third joint inventor (given name, family name)

Inventor's signature

Date

Residence

Citizenship

Mailing Address

☐ Additional joint inventors are named on separately numbered sheets attached hereto.

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Michael H. Bunyan, et al
 Application No./Patent No.: 6,054,198 Filed/Issue Date: 04/25/2000
 Entitled: Conformal Thermal Interface Material For Electronic Components
Parker-Hannifin Corporation, a Corporation
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
 2. ☐ an assignee of less than the entire right, title and interest.
 The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 8527, Frame 0043, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
 2. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
 3. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

[] Additional documents in the chain of title are listed on a supplemental sheet.

- [] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

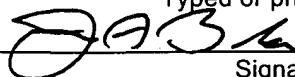
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

November 16, 2000

Date

JAMES A. BAKER

Typed or printed name



Signature

Assistant Secretary

Title